

FHWA REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD.	SEE TITLE SHEET		

**SIGNALS**

1,4  
2" x 8"

2,5  
12"

3,6-12  
12"

13-18  
12"

**SIGNS**

20,23  
R 10-12  
36" x 42"

26,30  
R 3-5(L)  
30" x 36"

19,21  
Christopher  
D 3-2  
16" x Var.

25,28  
Frederick  
D 3-2  
16" x Var.

22,24  
Christopher  
D 3-2  
16" x Var.

27,29  
Frederick  
D 3-2  
16" x Var.

31-34  
R 10-3C  
9" x 12"

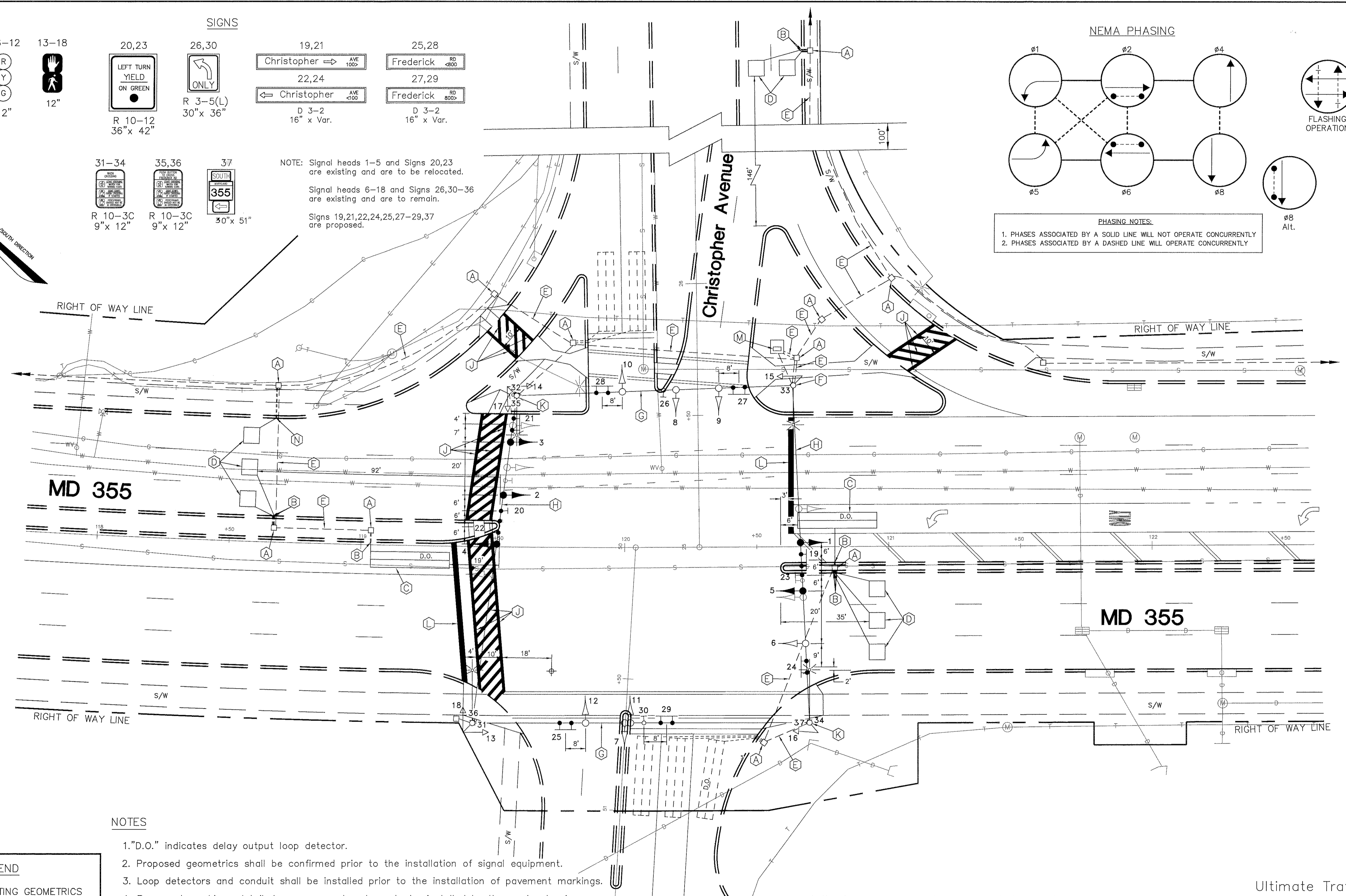
35,36  
R 10-3C  
9" x 12"

37  
30" x 51"

NOTE: Signal heads 1-5 and Signs 20,23 are existing and are to be relocated.  
Signal heads 6-18 and Signs 26,30-36 are existing and are to remain.  
Signs 19,21,22,24,25,27-29,37 are proposed.

**NEMA PHASING**

**PHASING NOTES:**  
1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY  
2. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY



- NOTES**
- 1."D.O." indicates delay output loop detector.
  2. Proposed geometrics shall be confirmed prior to the installation of signal equipment.
  3. Loop detectors and conduit shall be installed prior to the installation of pavement markings.
  4. Pavement markings detailed are proposed and are to be installed by the contractor in accordance with S.H.A. standards. All other pavement markings not detailed will be installed as part of the highway contract.
  5. Revision 'B' is a revision to the traffic signal built in September, 1986 under Contract S.H.A. No.: BW-890-801-312.
  6. All utilities are shown in their approximate location and are not to be considered as complete. The Contractor shall be responsible for contacting Miss Utility to verify the locations of all utilities. The Contractor shall contact the appropriate personnel prior to construction to avoid potential conflicts so that field adjustments can be made.
  7. Interconnect to be maintained at all times.

**GEOMETRIC LEGEND**

— — — — — EXISTING GEOMETRICS  
= = = = = PROPOSED GEOMETRICS

**UTILITY LEGEND**

G — G — GAS MAIN  
W — W — WATER MAIN  
S — S — SEWER MAIN  
D — D — STORM DRAIN  
E — E — ELECTRIC CABLES  
A — A — AERIAL CABLES  
T — T — TELEPHONE CABLES  
C — C — CABLE TELEVISION

**Revision 'B'**

**A/E GROUP, INC.**  
CONSULTING ENGINEERS • PLANNERS  
11409 CRONHILL DRIVE  
OWINGS MILLS, MD. 21117  
(410) 363-1908  
A/E JOB NO: 94-284

**REVISIONS**


**APPROVALS**

CHIEF, SIGNAL DESIGN SECTION

ASST. DISTRICT ENGINEER, TRAFFIC

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, OFFICE OF TRAFFIC & SAFETY

**MDOT - STATE HIGHWAY ADMINISTRATION**  
*Office of Traffic & Safety*  
**TRAFFIC ENGINEERING DESIGN DIVISION** SIGNAL # 15035515.86

DRAWN BY: T. Zaydel  
DES. BY: T. Zaydel  
CHK. BY: D. Doda

DATE: September 26, 1986  
SCALE: 1" = 20'

F.A.P. NO. N/A  
S.H.A. NO. BW-890-801-312

TS/STD. NO. 2230B-P  
SHEET NO. OF

Ultimate Traffic Control Signal

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